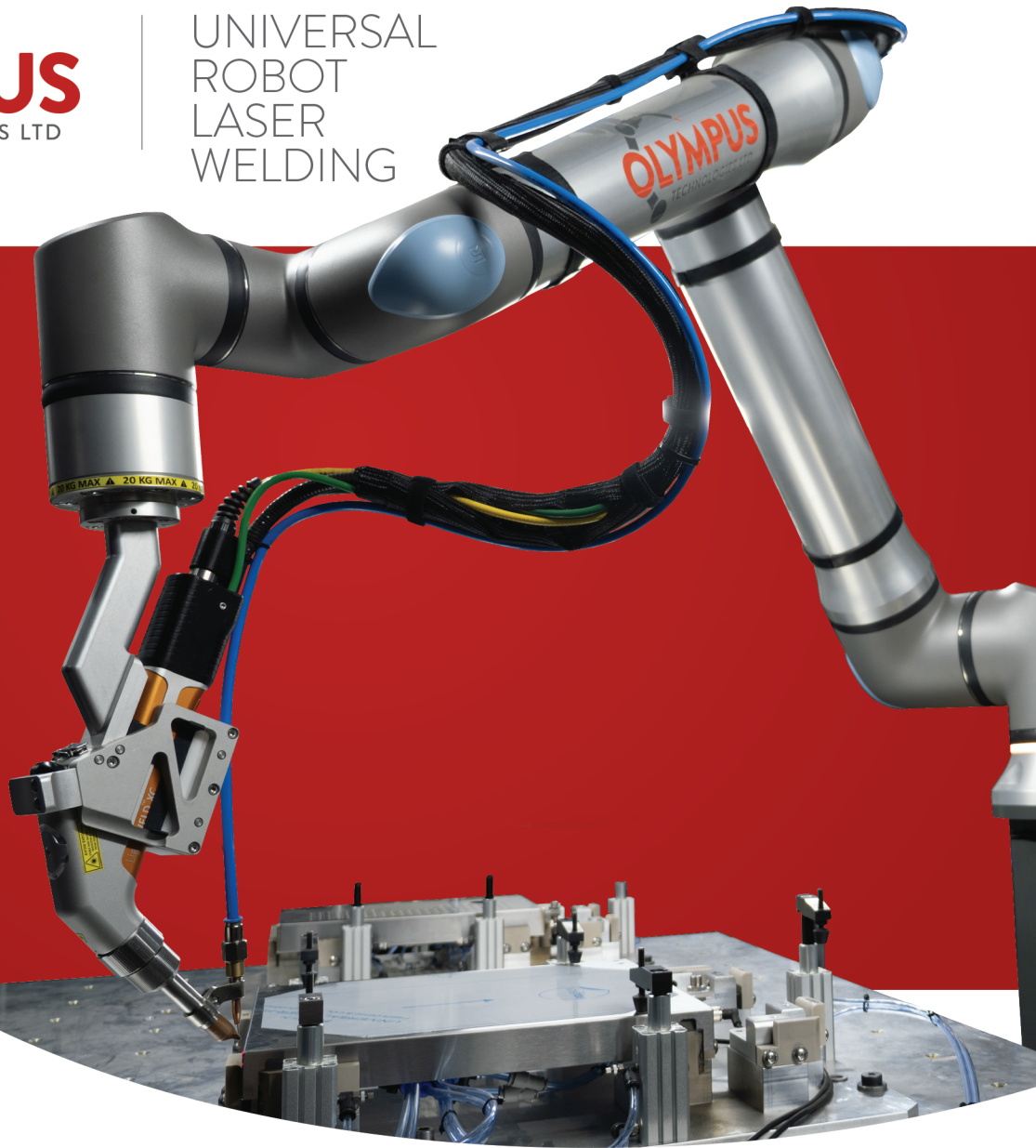




UNIVERSAL
ROBOT
LASER
WELDING



AUTOMATE YOUR REPETITIVE WELDING PROCESSES WITH
OLYMPUS' EASY TO OPERATE UR LASER WELDING SYSTEM



Over 4 x productivity
compared to TIG



Weaving, multipass and
quick copy features



Less heat
input distortion



Less post-weld
clean-up



UKCA marked
solution



Consistent quality



Solves welder
recruitment issues



Choice of
power source

YOUR AUTOMATED LASER WELDING PACKAGE INTRODUCES EFFICIENCY AND ACCURACY

LOCAL FUME EXTRACTION

Options for whole cell extraction or integration
into existing centralised system

UNIVERSAL ROBOT

> UR8 Long (1750mm reach from base without torch) or
> UR12e (1300mm reach from base without torch)

FIBRE LASER WELDING TORCH

EXTERNAL CELL CONTROLS

Safety reset, process release, request access
and E-stop

FIBRE LASER POWER SOURCE

(1500W - upgrades available)

OLYMPUS LASER WELDING SOFTWARE

Passes full control of the power source to the
robot teach pendant

- Quick copy feature
- Weaving
- Stitch
- Tack

LIGHT SAFE LASER CABIN

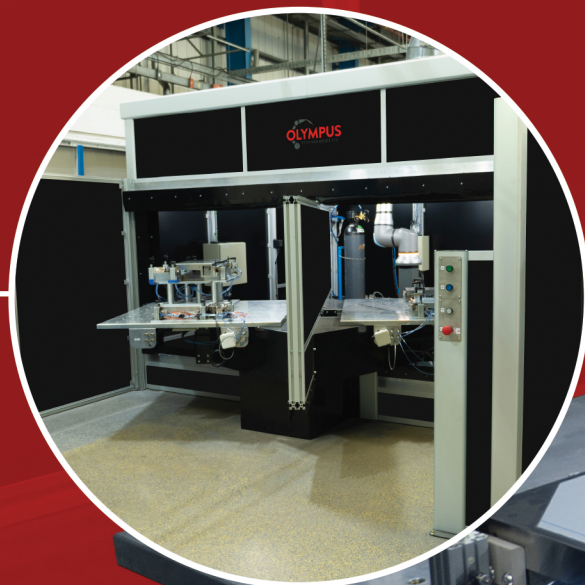
Sizes, viewing panel & CCTV options available

ROBOT STAND

Purpose designed and manufactured

INCLUDES

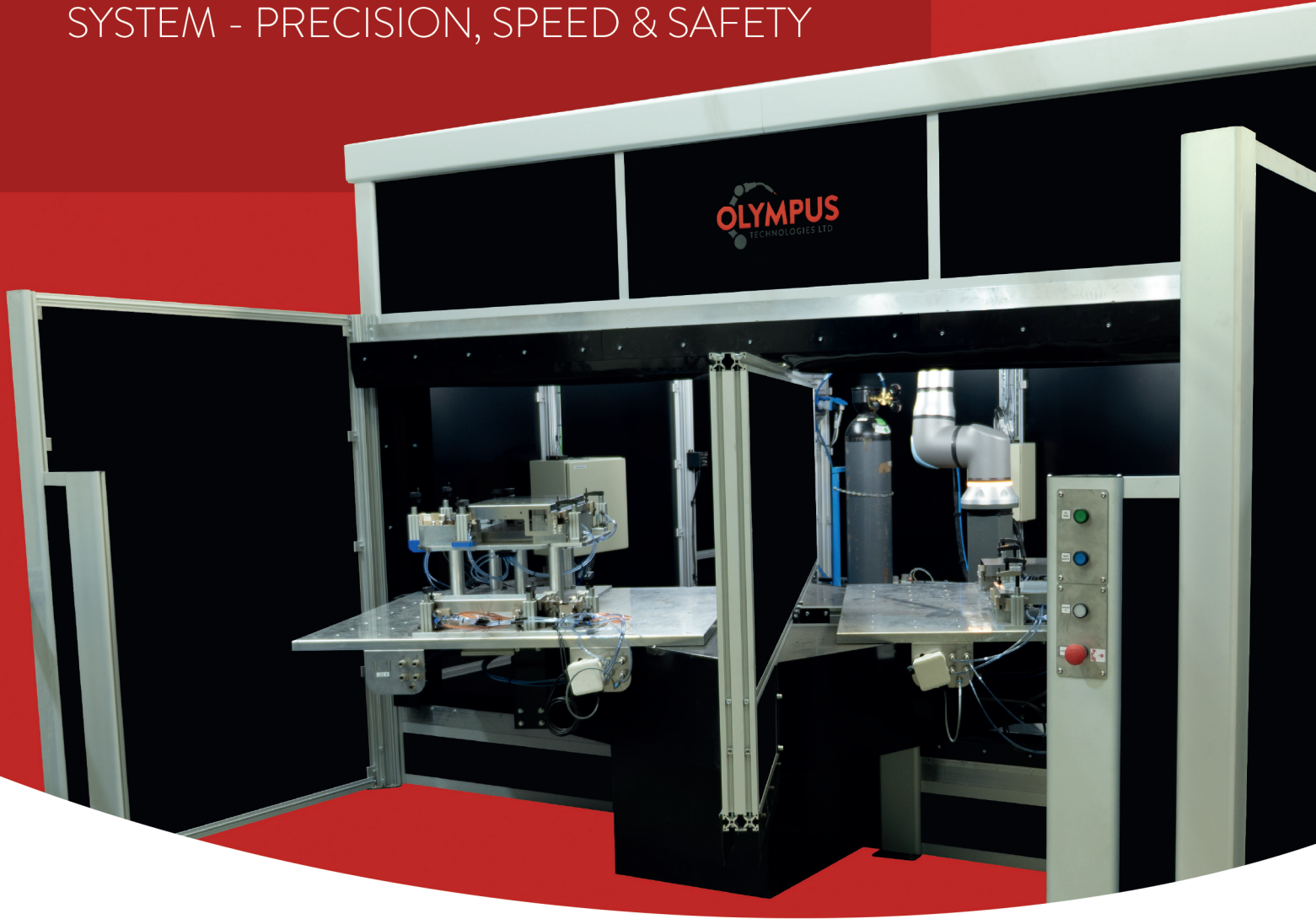
- + DELIVERY
- + INSTALLATION AND COMMISSIONING
- + 2 DAYS UR LASER WELDING TRAINING



Optional Extras: Welding Table, Wire Feed, Turntable and Head & Tailstock



THE UK'S FIRST COBOT LASER WELDING SYSTEM - PRECISION, SPEED & SAFETY



OLYMPUS TECHNOLOGIES IS PROUD TO OFFER THE UK'S FIRST UNIVERSAL ROBOT COBOT LASER WELDING SOLUTION

Designed to provide faster, higher-quality results than MIG or TIG, the Olympus Technologies laser welding system offer exceptional precision, control, and safety, while reducing post-weld processing and material waste.

This innovative system uses fibre laser welding machines to deliver high-speed, high-quality welds on a wide range of metals, including mild steel, stainless steel, aluminium, copper, and high carbon steels.

Whether you're in the automotive, aerospace, electronics, or medical device industries, this solution is tailored to meet your advanced welding requirements.

Advantages:

- Higher welding speed - over 4 x faster than TIG, significantly reducing cycle time
- Consistent high-quality results
- Minimal part distortion and warping
- Decreased post-weld processing
- Fully integrated safety system with interlocked door ensuring operator safety during laser emission

The installed cell is UKCA marked to ensure your safety.

CONTACT US

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Watch our videos on YouTube

